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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/647,759	08/25/2003	Lakshminath Dondeti	120-162	2732

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EXAMINER
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2134	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _28 February 2007_.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-15_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-15_ is/are rejected.

7)☒ Claim(s) _1_ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on _26 August 2003_ is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

1.   The response 2/28/07 was received and considered

2.   Claims 1-15 are pending.

3.   Claims 1-3, 5-8 and 10 are currently amended.

Response to Amendment

4.   Regarding claims 1-15, support for the newly added limitation "volatile storage" or "volatile memory" cannot be found in the specification.

Response to Arguments

5.   Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

Claim Objections

6.   Claim 1 is objected to because of the following informalities:

Line 4, recites "two entities in in volatile storage" and should be changed to "two entities in volatile storage".

Appropriate correction is required.

Claim Rejections - 35 USC § 103

1.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2.   Claims 1-5 and 10-15 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Jari, et al., U.S. Patent Application Publication No. 2001/0020275 and in view of

Mualem et al, U.S. Patent Application Pub. No. 2002/0166070.

Regarding claim 1, Jari discloses the method for preserving security associations

between at least two entities comprising the steps of: maintaining a security association

relating to communication between the at least two entities in in volatile storage (fig. 1,

#5 & abstract, volatile memory storing a security association database); storing a copy

of the security association in non-volatile storage (fig. 1, #7 & abstract, controller 6

periodically stores the security association database in a disk memory 7). Jari lacks or

does not expressly disclose in response to detection of corruption of the security

association in volatile storage, where the corruption is caused by an event other than

power failure. However, Mualem discloses in response to detection of corruption of the

security association in volatile storage where the corruption is caused by an event other

than power failure (¶[0010] and fig. 2 #110). It would have been obvious to one of

ordinary skill in the art at the time the invention was made to modify the method if Jari

with the method of Mualem to detect corruption in the security association where the

corruption is caused by an event other than power failure in order to identify integrity

errors in the security association, as taught by Mualem (fig 2. #110-112). Jari further

discloses employing the copy of the security association in non-volatile storage to

update the security association in volatile storage (abstract, controller 6 retrieves the

latest security association database from the memory 7 and injects it into the volatile

memory 5).

Regarding claim 2, Jari further discloses encrypting the security association prior to

storing the security association in the nonvolatile storage (¶[0010]).

Regarding claim 3, Jari further discloses storing includes the step of detecting a trigger

event (fig. 2, #11).

Regarding claim 4, Jari further discloses detecting a trigger event includes the step of

detecting a change in the security association (fig. 2, #11).

Regarding claim 5, Jari further discloses updating the contents of a security

associations table using the security association stored in non-volatile storage (fig. 3,

#25).

Regarding claim 10, Jari discloses an apparatus for preserving security associations

between at least two entities comprises:

a volatile memory including a first table for storing a security association related to

communication between the at least two entities (fig. 1, #5 & abstract, volatile memory

storing a security association database);

a non-volatile memory including a second table for storing at least a portion of the first

table (fig. 1, #7 & abstract, controller 6 periodically stores the security association

database in a disk memory 7);

means for copying the at least a portion of the first table to the second table (abstract,

controller 6 retrieves the latest security association database from the memory 7 and

injects it into the volatile memory 5). Jari lacks or does not expressly disclose in

response to detection of corruption of the security association in volatile storage, where

the corruption is caused by an event other than power failure. However, Mualem

discloses in response to detection of corruption of the security association in volatile

storage where the corruption is caused by an event other than power failure (¶[0010]

and fig. 2 #110). It would have been obvious to one of ordinary skill in the art at the

time the invention was made to modify the method if Jari with the method of Mualem to

detect corruption in the security association where the corruption is caused by an event

other than power failure in order to identify integrity errors in the security association, as

taught by Mualem (fig 2. #110-112).

Regarding claim 11, Jari further discloses encrypting the at least a portion of the first

table prior to copying the at least a portion of the first table to the second table (¶[0010]

& fig. 2, #14-15).

Regarding claim 12, Jari further discloses copying overwriting the at least a portion of

the first table with contents of the second table (fig. 3, #25).

Regarding claim 13, Jari further discloses encryption logic for encrypting the at least a

portion of the first table (fig. 2, #14).

Regarding claim 14, Jari further discloses decryption logic for decrypting the second

table (fig. 3, #23).

Regarding claim 15, Jari further discloses a key, stored in non\-volatile memory, for

encrypting the at least a portion of the first table (¶[0036]).

3.   Claims 6-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Leung, U.S. Patent No. 6,760,444 and in view of Jari, et al., U.S. Patent Application

Publication No. 2001/0020275 and further in view of Mualem et al, U.S. Patent

Application Pub. No. 2002/0166070.

Regarding claim 6, Leung discloses a method for maintaining security associations

between a server and a member, the method comprising the steps of:

generating a security association permitting communication between the server and the

member (col. 5, lines 5-8); storing the security association in a location of volatile

memory available to the server (col. 6, lines (49-52). Leung lacks or does not expressly

disclose storing the security association in volatile memory and storing a copy of the

security association in non-volatile memory. However, Jari discloses storing a copy of

the security volatile storage (fig. 1, #5 & abstract, volatile memory storing a security

association database); storing a copy of the security association in non-volatile storage

(fig. 1, #7 & abstract, controller 6 periodically stores the security association database in

a disk memory 7). It would have been obvious to one of ordinary skill in the art at the

time the invention was made to modify the device of Leung with the device of Jari, to

storing the security association in non-volatile storage in order restore the security

association in case of a power failure to as taught by Jari (abstract).

Jari lacks or does not expressly disclose in response to detection of corruption of the

security association in volatile storage, where the corruption is caused by an event other

than power failure. However, Mualem discloses in response to detection of corruption

of the security association in volatile storage where the corruption is caused by an event

other than power failure (¶[0010] and fig. 2 #110). It would have been obvious to one of

ordinary skill in the art at the time the invention was made to modify the method if Jari

with the method of Mualem to detect corruption in the security association where the

corruption is caused by an event other than power failure in order to identify integrity

errors in the security association, as taught by Mualem (fig 2. #110-112). Jari further

discloses employing the copy of the security association in non-volatile storage to

update the security association in volatile storage (abstract, controller 6 retrieves the

latest security association database from the memory 7 and injects it into the volatile

memory 5).

Regarding claim 7, Jari further discloses encrypting the security association prior to

storing the security association in the nonvolatile storage (¶[0010]).

Regarding claim 8, Jari further discloses storing includes the step of detecting a trigger

event (fig. 2, #11).

Regarding claim 9, Jari further discloses detecting the trigger event includes the step of

detecting a new security association between the server and the member (¶[0002], lines

21-26).

Conclusion

7.   Applicant's amendment necessitated the new ground(s) of rejection presented in

this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37

CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of
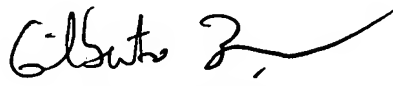
the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aubrey H. Wyszynski whose telephone number is (571)272-8155. The examiner can normally be reached on Monday - Thursday, and alternate Friday's.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kambiz Zand can be reached on 571-272-3811. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AHW

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